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Form PTO-1449 (REV. 8-83)	Form PTO-1449 US Dept. of Commerce (REV. 8-83) PATENT & TRADEMARK OFFICE			ATTY DOCKET NO. 116282			APPLICATION NO. New US Application		
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	(Use s	several sheets if necessary)		APPLICANTS Satoru WAKUTA et al.					
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		U.S.	PATI	ENT DOCU	MENTS	1.			
EXAMINER INITIAL		DOCUMENT NUMBER	1	DATE	NAM	Œ		CLASS	SUB CLASS
JDW	1	3,623,568	05/2	29/1969	Могі				
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		DOCUMENT NUMBER		DATE	COUNT	RY		CLASS	SUB CLASS
JDW	2	JP A 2001-231107 (with abstract and translation)	08/2	24/2001	Japan				
JDW	3	JP 2002-1807 (with abstract)	04/0	01/2002	Japan				
JDW	4	JP 47-31773 (with abstract)	08/	15/1972	Japan				
JDW .	5	JP A 2000-2327 (with abstract and translation)	01/07/2000		Japan				
JDW	6	JP A 8-183347 (with abstract and translation)	07/16/1996		Japan				
JDW	7	JP A 10-341503 (with abstract and translation)	12/22/1998		Japan				
JDW	8	DE 198 03 160 C 1	01/2	28/1998	Germany				
	1	OTHER DOCUMENTS (In	cludir	g Author,	Fitle, Date, Pertinent Pag	es, etc.)			
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Date: July 30, 2003

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Form PTO-1449 (REV. 8-83)		US Dept. of Commerc PATENT & TRADEMARK OFFICE	e E	ATTY D 116282	OCKET NO.		APPL 10/62	ICATIO 9,743	N NO.	
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			I	Satoru W	VAKUTA et al.					
				FILING I July 30, 2		1	GROUP Unknown			
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EXAMINER INITIAL		DOCUMENT NUMBER		DATE	NAM	E		CLAS	SUB CLASS	
JDW		6,371,878 B1	4/20	002	Bowen					
JDW		5,904,631	5/19	999	Morisawa et al.					
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JDW		2000-346187 w/Abstract and Translation	12/2	2000	Japan					
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Date: September 25, 2003

Form PTO-1449 (REV. 8-83))	US Dept. of Commerc PATENT & TRADEMARK OFFICE		ATTY DOCKET NO. 116282		APPLICATION NO. 10/629,743		NO.
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EXAMINER INITIAL		DOCUMENT NUMBER		DATE	NAMI	E	CLASS	SUB CLASS
JDW	1	6,371,878 B1	4/1	6/2002	Bowen			
JDW	2	5,558,595	9/2	4/1996	Schmidt et al.		ļ	
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JDW	3	DE 201 17 410 U 1	1/3	1/2002	Germany			
JDW	4	EP 1 223 067 A2	7/1	7/2002	EPO			
JDW	5	EP 1 304 248 A1	2/2	3/2003	EPO			
JDW	6	EP 1 114 744 A2	7/1	1/2001	EPO			
	<u> </u>	OTHER DOCUMENTS (In	-1di	Author	Title Date Beginner Bag	ac etc.)		1
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EXAMINER INITIAL	DOCUMENT NUMBER		DATE	NAME			CLASS	SUB CLASS
JDW	US 2002/0094898 A I	7/11	8/2002	Hata et al.				
JDW	US 2003/0078134 A1	4/24	4/2003	Kojima et al.				
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Form PTO-1449 (REV. 8-83)		US Dept. of Commerce PATENT & TRADEMARK OFFICE		ATTY D	ATTY DOCKET NO. 116282		APPLICATION NO. 10/629,743		10.
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		U.S.	. PAT	ENT DOC	UMENTS				
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JDW	1	6,155,364	12/:	5/2000	Nagano et al.				
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JDW	2	JP A 09-226392 w/Abstract and Translation	9/2/	/1997	Japan				•
JDW	3 ·	JP A 07-96759 w/Abstract and Translation	4/1 i	1/1995	Japan				
JDW	4	JP A 2002-225578 w/Abstract and Translation	8/14	4/2002	Japan				
	5	JP S50-30223 w/translated main claim	3/26	6/1975	Japan				
		OTHER DOCUMENTS (Inc	cludin	g Author,	Title, Date, Pertinent P	ages, etc.)			
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Date: July 14, 2004



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EXAMINER INITIAL	DOCUMENT NUMBER		DATE	NAME			CLASS	SUB CLASS
JDW	US 2003/0178953 A1	9/2	25/2003	Tumback et al.				
JDW	US 6,516,253 B2	2/4	4/2003	Boggs et al.				
JDW	US 6,558,283 B1	5/	6/2003	Schnelle				
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	DOCUMENT NUMBER		DATE	COUNTRY	Y		CLASS	SUB CLASS
JDW	DE 199 03936 A1	5,	/4/2000	Germany				
JDW	WO 02/47931 A1	6	/20/2002	WIPO			ļ	
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Form PTO-1449 (REV. 8-83)			c E	ATTY DOCKET NO. 116282		APPLICATION NO. 10/629,743				
INFOR	RMATI	ON DISCLOSURE STATEMENT								
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					FILING DATE July 30, 2003			GROUP 3618		
		U.S.	PATI	ENT DOCU	JMENTS					
EXAMINER INITIAL		· DOCUMENT NUMBER	DATE		NAM	ME		CLASS	SUB CLASS	
JDW	1	US 2003/0078134 A1 (corresponds to reference 2)	04/24/2003		Masakiyo KOJIMA et	al.	-			
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JDW	2	JP 2003-127681 w/English- language Translation & Abstract (corresponds to reference 1)	05/0	08/2003	JAPAN				•	
										
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